





# **Report on Dissemination and Communication Activities No. 2**

Deliverable D5.3

https://ferroreg.vin.bg.ac.rs/



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# About this document

**Deliverable:** D5.3 Report on Dissemination and Communication Activities No2

**Work package in charge:** WP5 Communication, Dissemination & Exploitation

Actual delivery date for this deliverable: Project-month 35

**Dissemination level:** The general public (PU)

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## **Executive Summary**

In the present deliverable, we provide a second report on the progress towards the implementation on the dissemination and communication strategy and plan for the period from the  $18^{th}$  to the  $35^{th}$  month of the project duration. We will follow the same structure as in the first report, and address each of the sections in terms of the approach taken, the channels used, and the results achieved.

The major dissemination means of the FerroReg project are organization and participation in events followed by web or social media related activities, newsletters, realization of communication and dissemination deliverables and printed scientific materials.

FerroReg use of online dissemination and communication is summarized together with analytics, showing the use of both the FerroReg website and the relevant social media channels.

A number of important relationships have been also established with related projects and initiatives that can be used for dissemination purposes.

Dissemination and communication activities, which have been used in FerroReg during the second half of the project duration as well as their objectives and targeted groups, are shown in the table below.

Activity	Objective	Targeted stakeholders	Timeline	
Project website	Information and knowledge dissemination Publicly available results presentation Interaction and engagement of public	All stakeholders	Constantly	
Social Media package	Awareness creation Information and news diffusion Knowledge dissemination Results presentation	All stakeholders and Targeted audiences	Targeted	
Communication and dissemination round table and focus groups	Knowledge dissemination Results presentation and implementation	Targeted audiences and stakeholders, focus groups	As appropriate according to the plan	
Conferences, workshops and events participation	Awareness creation Project presentation Networking and collaboration with relevant stakeholders	International Research communities Representatives of National statutory organization	Continuously, based on the projects developments and conferences timelines	
Realization of communication and dissemination deliverables	Reporting on awareness creation Project presentation Recommendation to stakeholders	All interested stakeholders	Periodically based on the project timeline	
Scientific papers and publications	Knowledge dissemination to the relevant scientific community Results presentation	Scientific community Physicians Other relevant projects and initiatives	Continuously, based on the projects developments and conferences timelines	

**Table 1:** Communication and Dissemination activities of FerroReg (M35)



## **INTRODUCTION**

Work package 5 is devoted to communication, dissemination and exploitation activities that will ensure maximum impact of the results of the project. This document, which is written in the third and last year of the project duration, provides a report on the progress of the on-going dissemination work. The purpose of this deliverable is to document the FerroReg dissemination and communication activities during the period from M18 (July, 21<sup>st</sup>, 2023) to M35 (December, 21<sup>st</sup>, 2024) of the project's duration. It follows the structure of the original plan, updating and adding content to this plan where activities took place. It reports also on the active tasks undertaken by the partners related to dissemination in this time period.

The present deliverable, being 3<sup>rd</sup> deliverable in the WP 5 and the second of the two Reporting on dissemination and communication activities is closely interrelated and develops in parallel with FerroReg WP5 subactivity 5.3. Generating Scientific, Public and Stakeholders Awareness and subactivity 5.4. Project Promotion & Mainstreaming as well as the following documents:

- D5.1 Project Visual Identity and Website content, Social media network identity and Communication and Dissemination Plan (M5)
- D5.2 Exploitation Plan (M16)
- D5.3 Report on Dissemination and Communication Activities No1 (M18)
- D5.4 Recommendation for stakeholders: White paper No1 (M24)

### **DISSEMINATION APPROACH**

All partners were following the Dissemination and Communication Plan provided in D5.1 during the second half of project. The coordinator and partners provide material and support and are strongly encouraged to provide the information about the ongoing impact of FerroReg activities. This open communication ensures the dissemination and awareness-raising activities. Partners are asked to ensure a continuous exchange of project information with different stakeholders at all levels, using the most appropriate communication tool from a social and traditional media to printed scientific results.

All dissemination activities have the following objectives:

- To create a strong awareness of the FerroReg project
- To identify the map of stakeholders potentially interested in the project and its outcomes, engage them in the project's activities and encourage them to interact with FerroReg
- To build partnerships through networking with existing related projects and research groups to share resource/data/results and spread good practice through the coordination/clustering activities
- To target audiences

### COMMUNICATION AND DISSEMINATION CHANNELS

In this section we will report communication and dissemination activities, which have taken place from  $18^{th}$  to  $35^{th}$  month of the project using different channels.

The channels to be outlined are as follows:





- Project Website
- Social and digital media
- Events based dissemination
- Journal and conference papers

**PROJECT WEBSITE** (https://ferroreg.vin.bg.ac.rs/sr/corporate-creative-landing-2/)

The FerroReg website (https://ferroreg.vin.bg.ac.rs/) as the central hub for the dissemination and communication have been continuously updating for information related to the project. Continuously and according to the realization of the tasks the website content is filled with: publicly available deliverables, list of conference and journal publications with active web links toward the content, news items, event alerts, and it also offer added-value services such as, newsletter, surveys as well as signpost to related news, events and projects. The website is regularly updated, particularly in terms of the contents including news (Figure 1.), complete list of scientific publications and deliverables (Figure 2.), following the project's tasks and timeline. The website will be maintained at least one more year after FerroReg project completion.

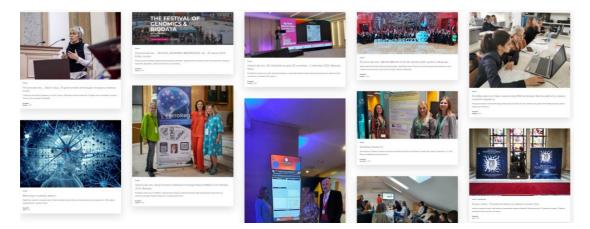


Figure 1. News (<u>https://ferroreg.vin.bg.ac.rs/news/</u>)



# Nova anketa - Nauka za gradjane: geni i multipla skleroza

Naučni projekat FerroReg se bavi istraživanjem genetičke osnove procesa ćeljske smrti, feroptoze, u multiploj sklerozi. Molimo Vas ća ANONINNO popunite NOVI upitnik kako bistel nam pomogli da saznamo koliko je naš prethodni upitnik bio informativan za Vas. Cilj nam je da nauku približimo građanima, pojasnimo svrhu genetičkih istraživanja i značaj učestivovanja građana i ponudimo javnosti zanimljive sadržaje iz naše naučne oblasti.

Istraživanje se sprovodi uz podršku Fonda za nauku Republike Srbije, broj projekta 7753406. (dentifikacija i funkcionalna karakterizacija ekstracelularnih i intracelularnih genetskih regulatora procesa povezanih sa feroptozom kod multiple skleroze - FeroReg. Rukovodilac projekta:

Univerzitet u Beogradu, Institut za nuklearne nauke Vinča - Institut od nacionalnog značaja za Republiku Srbiju

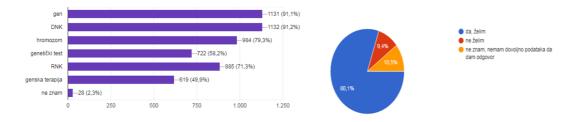
Učesnici projekta: Medicinski fakultet VMA, Beograd; Univerzitet u Beogradu, Institut za medicinska istraživanja-Institut od nacionalnog značaja za Republiku Srbiju

**Figure 2.** Dissemination, deliverables and surveys (https://ferroreg.vin.bg.ac.rs/dissemination)



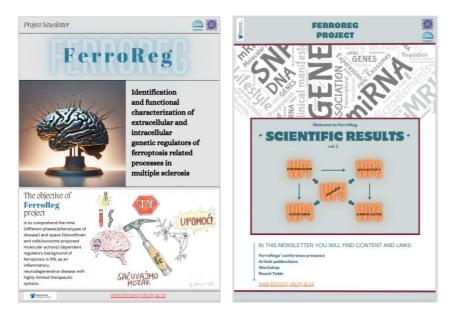


To provide the dissemination feedback from public and direct beneficiaries two Public Surveys-Science for Citizens: Genes and Multiple Sclerosis have been created. The first survey has been fulfilled by 1261 citizens. The detailed analytics was present in a Deliverable 5.4: White paper No1 (<u>https://ferroreg.vin.bg.ac.rs/deliverables/</u>) (Figure 3). The second survey is presented on web site and sent to the citizens that had completed the first questionnaire and left the e-mail address for further communication. After the completion of the survey, they will receive FerroReg promo material such as T-shirts and bags. The complete analytics will be presented in the White paper No 2 and final project report.



**Figure 3**. Analytics of the First public survey: Science for Citizens: Genes and Multiple Sclerosis (https://ferroreg.vin.bg.ac.rs/deliverables/)

The two newsletters have been made and send by e-mail to the broad scientific community and to the citizens that had completed the survey. The first newsletter (FerroReg Project newsletter) briefly introduces the FerroReg project mission and team, while the second one (FerroReg newsletter – Scientific results vol.1) presents part of the scientific results (Figure 4.) (https://ferroreg.vin.bg.ac.rs/we-created-ferroreg-project-newsletters/).



**Figure 4.** Newsletters: FerroReg Project newsletter and FerroReg newsletter – Scientific results vol.1(https://ferroreg.vin.bg.ac.rs/we-created-ferroreg-project-newsletters/)





## **SOCIAL AND DIGITAL MEDIA** (https://www.facebook.com/ferroreg)

Facebook was regularly used in order to promote project activities on a regular basis while also encouraging a wider awareness and discussion on the topics and news related to multiple sclerosis. FerroReg has active presence on Facebook and lesser on Instagram which are linked to the project's website. It reaches broader and less specialized audience. The project's Facebook page includes photos and information about the FerroReg project dissemination, presence on the events, its developments and activities and re-posts of other relevant stakeholders or valuable science news from other accounts in order to enrich the page content and attract more followers. The page has currently 131 followers, more than it had at the end of the first reporting period. The percentage of woman is still greater (67.5%) than the man (32.5%) and the most of the followers, approximately 70% of them, belong to the 35 to the 54 age group. A significant percentage of the followers of the Facebook page are located in Serbia, which is expected because it's a host country, but followers from the 9 more countries are also present.

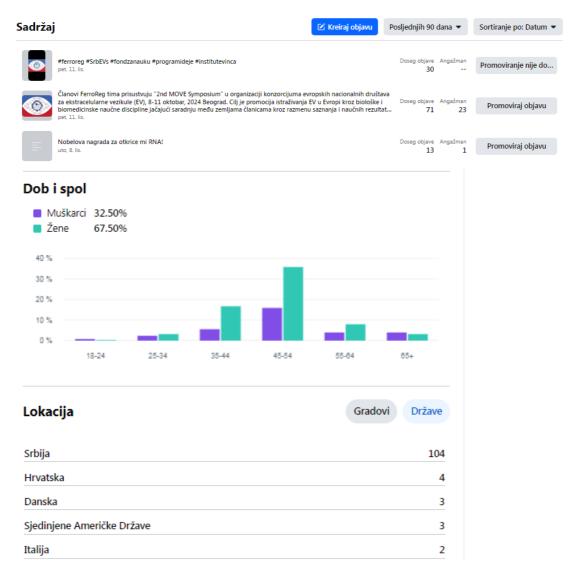


Figure 5. Example of last 90 days of posts and Facebook main statistics





# INSTAGRAM

(https://www.instagram.com/ferroreg\_project/?igshid=YmMyMTA2M2Y%3D=)

FerroReg maintains an Instagram page. The project's page includes photos and information about the FerroReg events. The page has currently 64 followers.

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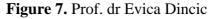
## Figure 6. FerroReg Instagram page

Prof. Dr. Evica Dinčić, a member of the FerroReg team, was a guest in the ePodcast: "Multiple sclerosis is only an obstacle, together without borders" (Figure 7.). Her talk was focused on spreading awareness about the multiple sclerosis to the wider audiences. She was explaining how to recognize the first symptoms of the disease and what are treatment options nowadays. Since the Decembar 5<sup>th</sup>, 2024 six hundred and seventy nine people have watched the podcast.

(https://www.youtube.com/watch?v=aIsVdCoAOcE).



ePodcast: Multipla skleroza je samo prepreka, zajedno bez granica - Prof. dr Evica Dinčić







#### **EVENTS BASED DISSEMINATION**

During the second communication and dissemination reporting period, the project coordinator and partners represented FerroReg at a number of events in order to promote and disseminate relevant information that can increase the project visibility.

FerroReg team, as members of the Serbian Society for Extracellular Vesicles (SrbEVs), participated in Small New World 2.0, a joint meeting of Austrian, Hungarian, Slovenian and Serbian Societies for Extracellular Vesicles, which took place in Medical University of Gratz, Austria from September 4. – 5. 2023. The preliminary project results were presented in poster session. FerroReg project was also presented in the Network section by the president of SrbEVs, dr Maja Kosanovic. This event was an opportunity to increase and strengthen the network with interested stakeholders or targeted audiences. The speakers from over 15 countries have presented the up to date technological advances in the purification and characterization of EVs, from basic science to the application in diagnostics and therapeutics. FerroReg members attended workshops "Hands on gradient centrifugation" and "Hands on Flow cytometry: Set-up of the CytoFLEX platform for Extracellular Vesicle Measurement", at the joint meeting Small New World 2.0.

FerroReg principal investigator dr Maja Živković presented the FerroReg project at the XIX Neurology congress held on September 21st - 24th 2023. in Niš, Serbia. The congress was organized by the Serbian Society of Neurologists, gathering eminent neurology and pharma experts from the country and the region. It was of great importance for FerroReg team to present the project to national and international medical, pharmaceutical and scientific stakeholders from the field of multiple sclerosis and neurodegenerative diseases.

At the Second Congress of Molecular Biologists of Serbia (CoMBoS2), which was held from October 6 to 8, 2023, the FerroReg Project team organized a workshop, conducted by FerroReg WP4 leader, dr Ivan Jovanović. A workshop entitled "Targeted RNA sequencing using the Illumina platform and analysis of upstream regulators" consisted of a theoretical and practical part. The participants of the course were introduced to the new generation sequencing technology (NGS), methodology used in realization of FerroReg project (Figure 8.). CoMBoS2 conference comprised Project Corner, special part of the conference center, in which FerroReg Project banner was displayed, so all the interested visitors and participants of the Congress were introduced to the project's mission and realization. In addition, the preliminary results of the project were presented at the Poster Session.



Figure 8. FerroReg workshop at CoMBoS2





Members of the FerroReg team attended the 9th Joint ECTRIMS-ACTRIMS Meeting, the largest annual meeting dedicated to multiple sclerosis, held from 11-13 October 2023, in Milan, Italy. The FerroReg team was, as well, present at the International Conference "Biotech Future Forum" that took place from 19-20. October 2023 at the Palace of Serbia in Belgrade, which included key government, business, scientific, and international stakeholders in Serbia. The conference was organized by the Government of the Republic of Serbia and its Centre for the Fourth Industrial Revolution, in cooperation with the World Economic Forum and UNDP, as well as with the support of the BIO4 campus.

FerroReg team has been honored to be invited to participate at the 60th Oncology Congress, organized by the Oncology Section of Serbian Medical. Society, held from November 29th to December 2nd, 2023 in Belgrade, Serbia. This oncology congresses is one with the longest tradition in Serbia and region with diverse multidisciplinary scientific program and speakers of great international impact. FerroReg PI dr Maja Živković presented the FerroReg project to the oncology-related national and international medical and scientific stakeholders, also its preliminary results and principal role of ferroptosis in cancer and in neurodegenerative and neuroinflammatory diseases.



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Figure 9. FerroReg PI at the 60th Oncology Congress

FerroReg team members attended the Festival of Genomics, held in 24-25 January 2024, London, UK. With over 280 speakers, 12 theatres of content and over 5,000 attendees the Festival is now the UK's largest annual life sciences event.

The FerroReg project was presented in the field of biomedical, genetic and bioinformatics research conducted at the Vinca Institute at the conference "75 years of science, technology and innovation at the Vinča Institute" held in the Rectorate of the University in Belgrade 30-31. January 2024. The occasion was the 75th anniversary of the establishment of the Vinča Institute of Nuclear Sciences, National Institute of the Republic of Serbia, University of Belgrade.

Together with other two projects from the biomedical field funded by Science Fund of the Republic of Serbia, Program Ideas, FerroReg team organized round table session "Sharing Ideas" at the 5th Belgrade Bioinformatics Conference - BelBi2024 held on 17th-20th June 2024, in Belgrade, Serbia. PI of the FerroReg Project dr Maja Živković presented project goals, current results and impact. The panel was attended by international scientific, technological, medical and governmental stakeholders. Afterwards, there was a discussion about projects, the methodology used, applicability of results, strengthening of the collaboration between teams and future challenges.







Figure 10. FerroReg team organized round table at BelBi2024-"Sharing Ideas"

FerroReg members presented preliminary results by two posters at the world's largest meeting dedicated to multiple sclerosis - ECTRIMS 2024 - organized by European Committee for Treatment and Research in Multiple Sclerosis (https://ectrims.eu/) on 18th-22th Sep 2024. in Copenhagen, Denmark. The FerroReg team members had a fruitful discussions with global stakeholders targeted for dissemination and promotion. Further, FerroReg team member from the participating research organization Institute for Medical Research, Natonal Institut of the Republic of Serbia, University of Belgradeproject findings were highlighted at the Fifth International Congress of the Serbian Society for Mitochondrial and Free Radical September Physiology, held in Belgrade from 27-29, 2024 (https://2024.ssmfrp.edu.rs/program-overview).

At the 7th Congress of the Serbian Genetic Society, held on October 2nd-5th



2024. on Zlatibor, Serbia, FerroReg members presented preliminary results at the Poster Session, and held the invited lecture within the Medical Genetics Session presenting the main results of the WP3 regarding genetic variations associated with MS severity. We have organized meeting with business partners from the Faculty of Medicine in Ljubljana, Clinical Center Ljubljana, Slovenia. The purpose of the meetings was the dissemination of project results and scientific discussion of the results.

Figure 11. FerroReg team at Zlatibor 2024.

FerroReg team, as members of Serbian Society for Extracellular Vesicles, SrbEVs, participated in the 2nd MOVE Symposium organized by 8 European National EV Societies on 8th-11th October 2024 in Belgrade, Serbia and presented the preliminary results in two poster sessions regarding WP4 and effect of circulating extracellular vesicles cargo in regulation of gene expression.

FerroReg participated in the second day of the "Connect" Conference, organized by the Association "Svetlost" Šabac and Job Info Center, Šabac, held from September 26 to 27, 2024 in Šabac. Members of the FerroReg team, dr Aleksandra Stankovic and dr Maja Živkovic, had presentations in the "Women's Corner" session, with the aim of presenting the role of women in science and applying to scientific projects and promoting and disseminating of the FerroReg project, program IDEAS.







After the conference, we discussed further cooperation with the association "Svetlost" and joint application for future projects. The atmosphere was pleasant. And the attendance by young people thinking about their future in science and employment was exceptional. There were a lot of interesting questions to which I hope we gave satisfactory answers and invited them to visit us in Institute Vinca, to familiarize them with the Laboratory for Radiobiology and Molecular Genetics and the results of the FerroReg project in more detail.

Figure 12. dr Maja Živkovic, FerroReg PI at the Connect conference

During the second communication and dissemination period we held two events for children. They had the opportunity to draw on FerroReg project promotional T-shirts and to help the scientists distribute them to the interested citizens on the lake Ada Ciganlija in Belgrade through pleasant socializing and familiarization with scientific terms.



Figure 13. FerroReg team organized events for children

The FerroReg team has organized two focus groups. The first was organized with the business partners from the Faculty of Medicine and Faculty of Biology, University of Belgrade and members of the Ferroreg project team from the "Vinča" Institute. The purpose was to disseminate scientific project results and to discuss challenges of their dissemination before the phase of clinical studies to two stakeholder groups, the general population in Serbia and patients with multiple sclerosis. The second focus group was organized with scientific and non-scientific collaborators of the Vinča Institute and members of the Ferroreg project team. We have disseminated the results of the project and discussed the challenges of writing projects and advancing scientific results to the general population in Serbia. As advertising material for the project, t-shirts with printed QR codes of the FerroReg web site were distributed to colleagues who have older children. By scanning the QR code they had access to the project results.





A celebration of the end of the project was organized with the purpose to disseminate the project to the general population in Serbia focusing on the younger population. During the intermission of a pop concert, the project was presented to the audience whereas the project banner was displayed throughout the event and free



chips for one drink were distributed to the guests. As advertising material for the project, t-shirts were distributed to young people in the audience, in order to disseminate the results of the project by scanning the QR code on the t-shirt for the project website. Interest of the audience for the scientific project exceeded our expectations.

Figure 14. Scanning project web site QR code on pop concert

# JOURNAL AND CONFERENCE PAPERS

- Kuveljić Jovana, Jovanović Ivan, Kosanović Maja, Nataša Mačak, Djurić Tamara, Stanković Aleksandra, Zivković Maja; The crosstalk between circulating exosome carried miRNAs and ferroptosis related genes in multiple sclerosis. Small New World 2.0; 4-5 September 2023; Gratz, Austria. (https://publications.ait.ac.at/ws/portalfiles/portal/39647415/SmallNewWorld2.0\_-\_2023\_-\_Abstract\_book.pdf)
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signaling in multiple sclerosis and glioblastoma. PLoS One. 2024;19:e0305042. doi: 10.1371/journal.pone.0305042

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- 9. Maja Zivkovic. The genetic pathways of ferroptosis-related processes in multiple sclerosis. 5th Belgrade Bioinformatics Conference BelBi2024, 17-20 June 2024, Belgrade, Serbia. (https://belbi.bg.ac.rs/wp-content/uploads/2024/07/BelBi2024-Book-of-Abstracts.pdf), predavanje po pozivu.
- Maja Živković, Ivan Jovanović, Ljiljana Stojković, Milan Stefanović, Evica Dinčić, Slobodan Vojinović, Ana Đorđević, Jovana Kuveljić, Aleksandra Stanković; Correlation of multiple sclerosis severity, expression of ferroptosis genes and products of lipid peroxidation in patients. ECTRIMS – European Committee for Treatment and Research in Multiple Sclerosis 2024, P142/2167; 18-22 Sep 2024; Copenhagen, Denmark. (https://journals.sagepub.com/doi/epub/10.1177/13524585241269219)
- 11. Ljiljana Stojković, Milan Stefanović, Slavica Ranković, Ana Đorđević, Jovana Kuveljić, Evica Dinčić, Aleksandra Stanković, Maja Živković; Relations of circulating long chain polyunsaturated fatty acids, lipid peroxidation product and FADS2 gene variants differentiate between patients with relapsing-remitting and secondary progressive multiple sclerosis. ECTRIMS European Committee for Treatment and Research in Multiple Sclerosis 2024, P1354/2227; 18-22 Sep 2024; Copenhagen, Denmark.

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